



ENVIRO-GRIP™ PUR#5 / PUR#5SC

A Single Component, Liquid Applied, Aromatic, Urethane-Polyurea Primer
For Outdoor and Light-duty Traffic Areas

1.01 DESCRIPTION

Enviro-Grip™ PUR#5/PUR#5SC is a single component, liquid applied, aromatic, urethane-polyurea primer. This primer provides good inter-coat adhesion. Enviro-Grip™ PUR#5SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards. This primer is recommended for outdoor and light-duty traffic areas. Please use the correct product grade that complies with VOC regulations as per federal, state, county and city regulations/codes at the place of installation of product.

1.02 FEATURES

- Fast Curing
- One Component
- For use in SCAQMD areas, use only Enviro-Grip™ PUR#5SC

1.03 TYPICAL USES

- Pedestrian Decks Only
- Polyurethane Elastomeric Surfaces Only

1.04 COLOR

Amber

1.05 PACKAGING

1 gallon (3.78 liters) can
5 gallon (18.9 liters) pail
55-gallon drum, net fill 50 gallons (189 liters)
Contact PSI for availability of 55 gallon drums

1.06 SURFACE PREPARATION

Refer to General and Safety Guidelines for complete information. Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3. Surface preparation may be completed by shotblasting or the use of Poly-Tuff Profile and Etch cleaner. Peel and adhesion tests are recommended. Install a 100-200 sqft (9.30-18.58 sqm) mock up of the system to be installed and approve for aesthetics, color, texture, actual coverage rates and functionality before proceeding.

1.07 MIXING

Before application, Enviro-Grip™PUR#5/PUR#5(SC) must be mixed thoroughly.

APPLICATION

2.01 APPLICATION BASICS

Enviro-Grip™ PUR#5/PUR#5(SC) should be applied at the rate of 1 gallon/300 sqft or 300 sqft/gallon (0.14 liters/sqm). It can be applied using an airless sprayer, brush, or phenolic resin core roller. Coverage rates and cure times will vary depending on temperature, relative humidity, surface roughness and porosity, aggregate selection and embedment, and application technique. Coverage rates provided are optimal and are not guaranteed.

TECHNICAL DATA (Based on draw down films) Enviro-Grip™ PUR#5

Theoretical Coverage Rate: 1 gallon/300 sqft or 300 sqft/gallon (0.14 liters/sqm)	
Pot Life 75°F (24°C) @ 50% RH	60-90 minutes dry film
Dry Film Thickness per Coat	4±1 mils (102 ± 25 microns)
Specific Gravity	1.07 ± 0.1
Viscosity, at 75°F (24°C) Side-A & B combined	300±50 cps
Total Solids by Weight, ASTM D-2369	78% ±2%
Total Solids by Volume, ASTM D-2697	76% ±2%
Volatile Organic Compounds ASTM D-2369-81	1.65 lbs/gal (198 gms/liter)

TECHNICAL DATA (Based on draw down films) Enviro-Grip™ PUR#5SC

Theoretical Coverage Rate: 1 gallon/300 sqft or 300 sqft/gallon (0.14 liters/sqm)	
Pot Life 75°F (24°C) @ 50% RH	60-90 minutes dry film
Dry Film Thickness per Coat	4±1 mils (102 ± 25 microns)
Specific Gravity	1.15 ± 0.1
Viscosity, at 75°F (24°C) Side-A & B combined	300±200 cps
Total Solids by Weight, ASTM D-2369	74 ±2%
Total Solids by Volume, ASTM D-2697	76 ±2%
Volatile Organic Compounds ASTM D-2369-81	0.75 lbs/gal (90 gms/liter)

Allow Enviro-Grip™ PUR#5/PUR#5SC to become thumbprint-tack free before applying the coating. Approximate tack free time is 1-2 hours at 75°F (24°C) and 50% relative humidity. Avoid puddling of primer at overlaps and low spots. Dry roll excess primer puddles and excess at overlaps while primer is wet before coating. Enviro-Grip™ PUR#5/5SC is should not be used for heavy textured, rough or pinholed concrete surfaces.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point. Enviro-Grip™ PUR#5/PUR#5SC is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time. Low temperature and/or low humidity extend the cure time.

2.02 EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally-safe solvent, as permitted under local regulations, immediately after use.

2.03 SHELF LIFE AND STORAGE

Enviro-Grip™ PUR#5/PUR#5SC has a shelf life of 12 months from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

2.04 LIMITATIONS

- Enviro-Grip™ PUR#5/PUR#5SC should be coated within 2 hours after it has become tack free.

- Enviro-Grip™ PUR #5/5SC should not be used on pinholed concrete or where small cavities are present. (See Enviro-Grip #1 or #2 Technical Data Sheets)
- Surfaces must be dry, clean, and free of foreign matter.
- Containers that have been opened must be used as soon as possible.
- Enviro-Grip™ PUR#5/PUR#5(SC) is difficult to clean up after it has cured.
- Do not dilute under any circumstance.
- Not UV stable.
- Mix no more material than can be used within 20 minutes.

Enviro-Grip™ PUR#5 and PUR#5(SC) are considered Dangerous Goods. DOT regulations classify it as: UN 1263, PAINT, Class 3, PG III, FLAMMABLE LIQUID.

WARNING: This product contains isocyanates and solvent.

Enviro-Grip™ Primer

Selection Chart

N/R = Not Recommended

FEATURES & USES	EP#1	EP #2	PUR #555	EP-WBs	EP #121	EP 404FC
Low Odor	YES	NO	YES	YES	YES	YES
Solvent Free	YES	NO	YES	YES	YES	YES
Low Viscosity	YES	NO	YES	YES	YES	YES
Fast Curing	NO	NO	YES	YES	YES	YES
Meets SCAQMD	YES	(SC) YES	YES	YES	YES	YES
Pedestrian & Vehicular Traffic	YES	YES	YES	YES	YES	YES
Recoat Window (Hours)	12	16	6	12	4	12
SUBSTRATE ADHESION	EP#1	EP #2	PUR #555	EP-WB	EP #121	EP 404FC
Concrete & Masonry	YES	YES	YES	YES	YES	YES
Asphaltic Concrete	TEST	N/R	N/R	TEST	TEST	TEST
Glass Reinforced Plastic	TEST	TEST	TEST	TEST	TEST	TEST
Plywood	YES	YES	N/R	N/R	YES	YES
Abraded Metals	YES	YES	YES	YES	YES	YES
Bonderized Metal	YES	YES	YES	YES	YES	YES

Please read all information in the General & Safety Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. PSI Products are for "Professional Use Only" and preferably applied by professionals who have prior experience with the PSI Products or have undergone training in application of PSI Products. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data, instructions, and project specific recommendations.

LIMITED WARRANTY

PSI warrants its products to be free of manufacturing defects and that they will meet PSI current published physical and chemical properties. Seller's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PSI of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PSI shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PSI shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PSI reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PSI makes no claim that these tests or any other tests, accurately represent all environments.